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Answers to the March 2013 JAOA CME Quiz

Discussion answers to *The Journal of the American Osteopathic Association (JAOA)* continuing medical education quizzes appear only when authors have included discussions with the quiz questions and answers they must provide to meet the requirement for submission to and publication in the *JAOA*.

Effect of Osteopathic Manipulative Treatment on Incidence of Postoperative Ileus and Hospital Length of Stay in General Surgical Patients

by Gerard A. Baltazar, DO;
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and Akella Chendrasekhar, MD

1. (e) Although the exact pathophysiology of postoperative ileus (POI) has not yet been delineated, several modalities have been successfully used to prevent and manage this condition. Limiting a patient's use of narcotics and repleting a patient's electrolyte deficiencies have each been shown to decrease the incidence of POI. Several additional modalities have also been examined for their effect on POI, including early postoperative feeding. Osteopathic manipulative treatment (OMT) may prevent and manage POI, but this association

has rarely been the subject of research. Prospective studies are necessary to demonstrate that OMT has a statistically significant effect on POI.

2. (b) The exact effect of OMT in the perioperative period has not yet been delineated. Osteopathic manipulative treatment is known to modulate the autonomic nervous system and may increase bowel function by decreasing sympathetic tone and increasing parasympathetic input to the gastrointestinal tract. It has also been shown in small studies to alter biochemical profiles and decrease postoperative pain and use of parenteral narcotics. In concert, these potential effects of OMT may create a predisposition to more rapid return of bowel function.

Scoliosis Rates in Symptomatic Patients as Demonstrated With Weight-Bearing or Supine MR Imaging

by Manuel S. Vogt, OMS IV; John W. Gilbert, MD; Robert Windsor, MD; Gregory E. Mick, DO; Gay B. Richardson, MD; Benjamin B. Storey, MD; and Stephanie L. Herder, MD

3. (d) The most tilted vertebrae above and below the apex of the curve are used to calculate the Cobb angle.

4. (d) Idiopathic scoliosis is confirmed as a Cobb angle greater than 10°.
5. (b) *Dextroscoliosis* is defined as convexity to the right.

Osteopathic Manipulative Treatment for Colonic Inertia

by Adam Cohen-Lewe, DO

6. (b) Management of gastrointestinal visceral dysfunction below the diaphragm could include inhibitory pressure on celiac, superior mesenteric, and inferior mesenteric ganglia.
7. (b) Sympathetic facilitation from the left half of the colon is associated with somatic dysfunction at the T12-L2 spinal levels.

Intestinal Angioedema Induced by Angiotensin-Converting Enzyme Inhibitors: An Underrecognized Cause of Abdominal Pain?

by Vedra A. Augenstein, MD; B. Todd Heniford, MD; and Ronald F. Sing, DO

8. (b) Peripheral edema is not consistent with a diagnosis of angiotensin-converting enzyme inhibitor-induced intestinal angioedema. The edema is limited to a segment of the intestines, most commonly the small intestine.

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